

**SJTPO TRAFFIC SAFETY FACTS 2005:  
SENIORS**

**SOUTH JERSEY  
TRANSPORTATION PLANNING  
ORGANIZATION**



**Senior Traffic Fatalities & Injuries  
2003 - 2005**

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# Senior Traffic Fatalities and Injuries South Jersey 2003-2005

3/3/2010

## Purpose:

This report presents SJTPO statistics and trends for traffic fatalities and injuries related to senior citizens. There will also be a comparison of 2005 figures for SJTPO, NJ, and the US. The topics covered are:

Driver Fatalities  
Traffic Injuries  
Traffic Fatalities

Walking Fatalities  
Occupant Fatalities  
Drivers Involved in Fatal Crashes

## Summary:

The region experienced increases, an unfavorable trend, in several senior-related categories. Senior Driver Fatalities increased for the year, as did Senior Traffic Injuries, Senior Traffic Fatalities, Senior Walking Fatalities, Occupant Fatalities, and Senior Drivers Involved in Fatal Crashes.

## Method:

This analysis utilized New Jersey crash data from the NJDOT website; this data was downloaded into an access database. Data files related to general crash information such as time, and place were derived from the NJDOT Accident file. There is one record in the Accident database for each crash. The Pedestrian database was also used. This Pedestrian database has one record for each non-motorist, and some descriptive information about the non-motorists' mode of travel (walking etc.). The total non-motorist involved was derived from adding the total Pedestrian file records for each county and each year. An access table function was used for this step. In addition, the Occupant file was utilized to identify the ages and injuries of senior passengers and drivers.

## Analysis:

### Driver Fatalities

There was a 25% (see cell R6 on the table, p.3) increase in driver fatalities in the South Jersey region, from 60 in 2004 (N6) to 75 in 2005 (O6). Senior Driver Fatalities increased 100% (R5) in 2005, from a total of 9 (N5) in 2004 to 18 (O5) in 2005. Senior's comprised of 24% of all driver fatalities in the South Jersey region the year 2005 (O7). This proportion of senior driver fatalities is higher than the comparable US figure, which is 14% (D7). It is also higher than New Jersey's figure, which is 19% (J7).

Analysis (Cont.):

Traffic Injuries

There were 8,530 (O11) total traffic injuries for the South Jersey region in 2005. This was a 5% decrease (R11) over 8,953 for 2004 (N11). Senior Injuries increased 6% (R10) from 770 (N10) in 2004 to 816 (O10) in 2005. Seniors make up 10% (O12) of the traffic injuries for the region. This is higher than the US and NJ proportion of senior traffic injuries, which are 7% (D7) and 8% (J7) respectively.

South Jersey experienced 1,026 senior traffic injuries for every 100 thousand senior residents. This compares to 552 senior injuries for every 100 thousand seniors of the US population and 781 senior injuries for the New Jersey senior population.

Traffic Fatalities

Senior traffic fatalities saw a 75% (R15) increase from 16 (N15) in 2004 to 28 in 2005 (O15). In 2005, 21% (O17) of the fatalities were seniors. This South Jersey senior traffic fatality proportion compares with 15% (D17) and 17% (J17) for the US and NJ respectively.

Walking Fatalities

Of the 24 walking non-motorist fatalities in South Jersey for 2005 (O21), 5 were seniors (O20). This 21% proportion (O22) is consistent with the senior proportion of senior walking fatalities for the US and NJ, which were 20% (D22) and 22% (J22) respectively.

Occupant Fatalities

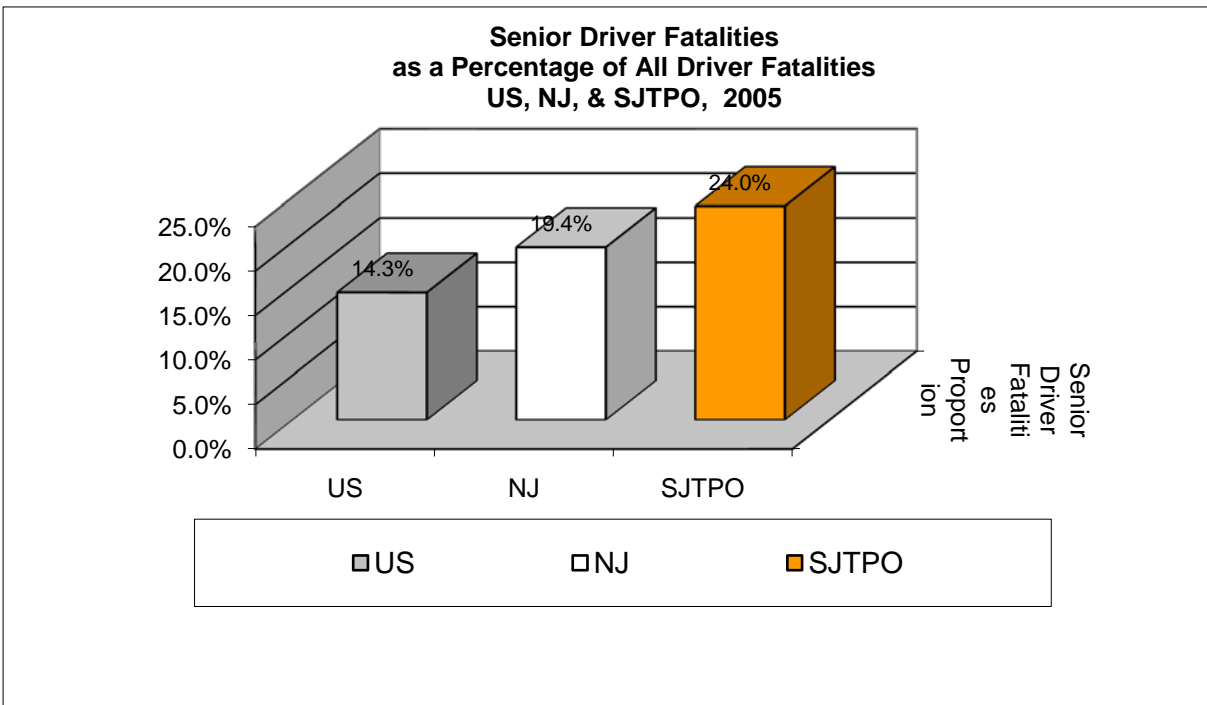
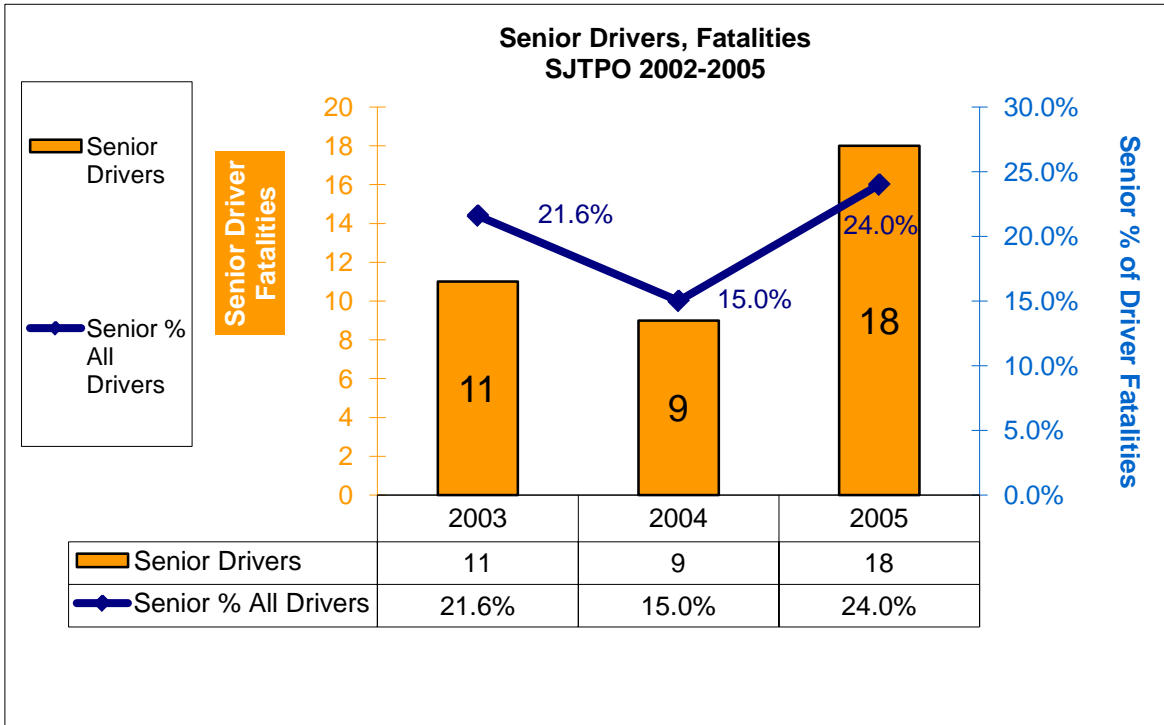
Occupant Fatalities that were seniors totaled 23 (O25) in 2005. This is 92% higher (R25) than 12 in 2004 (N25). The senior proportion of occupant fatalities is higher for South Jersey, 21% (O27) than it is for the US or New Jersey 14% and 19% respectively (D27)

Drivers Involved in Fatal Crashes

The number of senior drivers involved in a crash also increased in 2005 to 27 (O30) from 18 (N30) in 2004, an increase of 50% (R30). The proportion of senior drivers involved in a fatal crash in the South Jersey region 17% (O32). This compares to the US and State proportions which are both 11% (D32, J32).

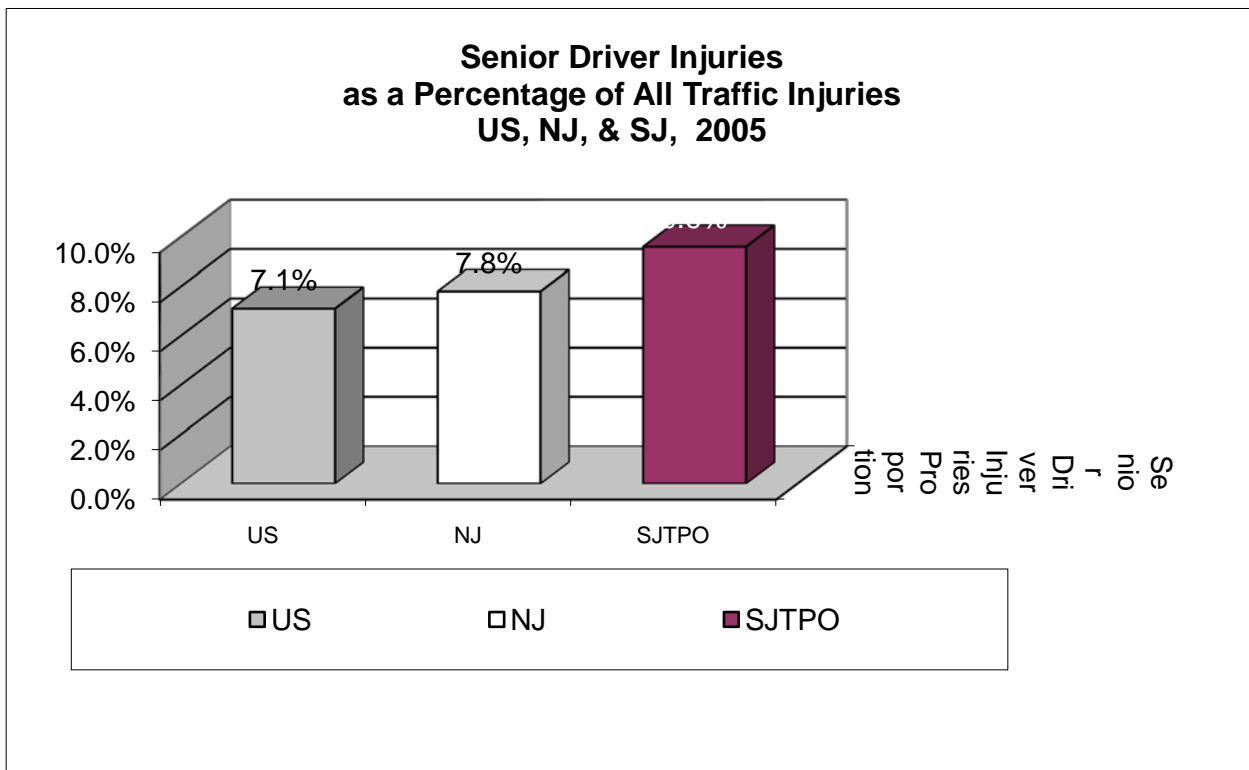
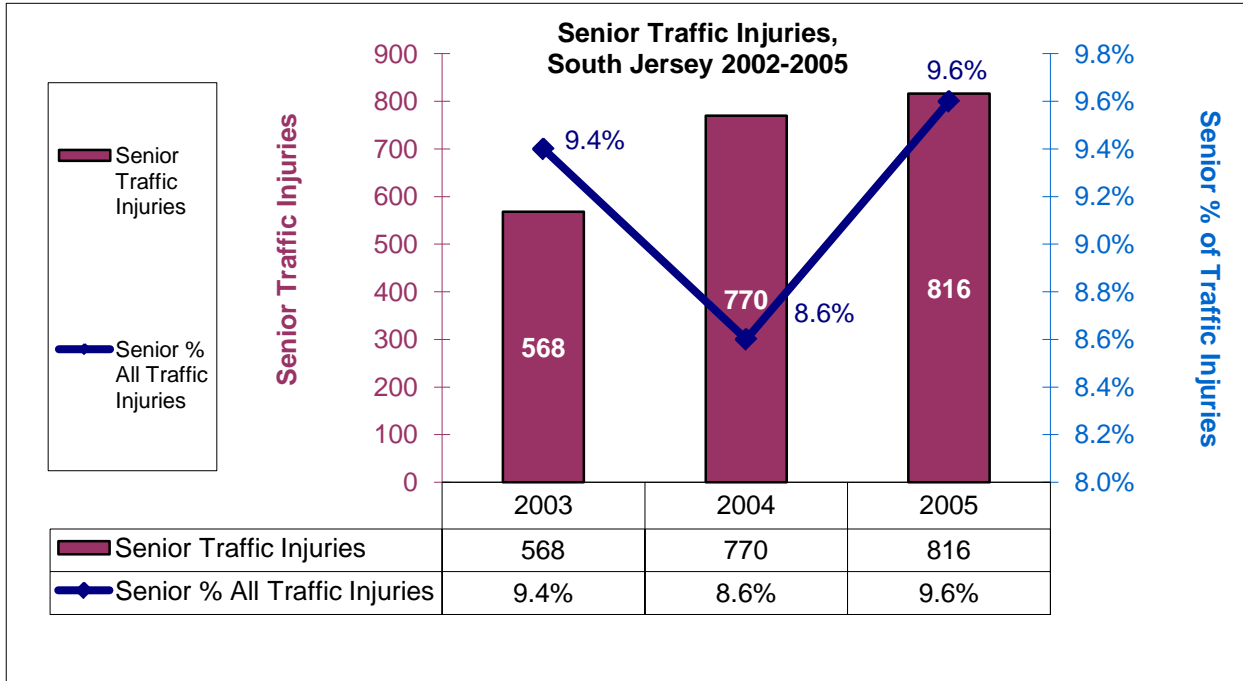
**Driver Fatalities**

Senior Driver Fatalities increased 100% in 2005, from 9 to 18. Senior's comprised of 24.0% of all driver fatalities in the South Jersey region the year 2005. This proportion of senior driver fatalities is higher than the comparable US (14.3%) and New Jersey (19.4%) figures.



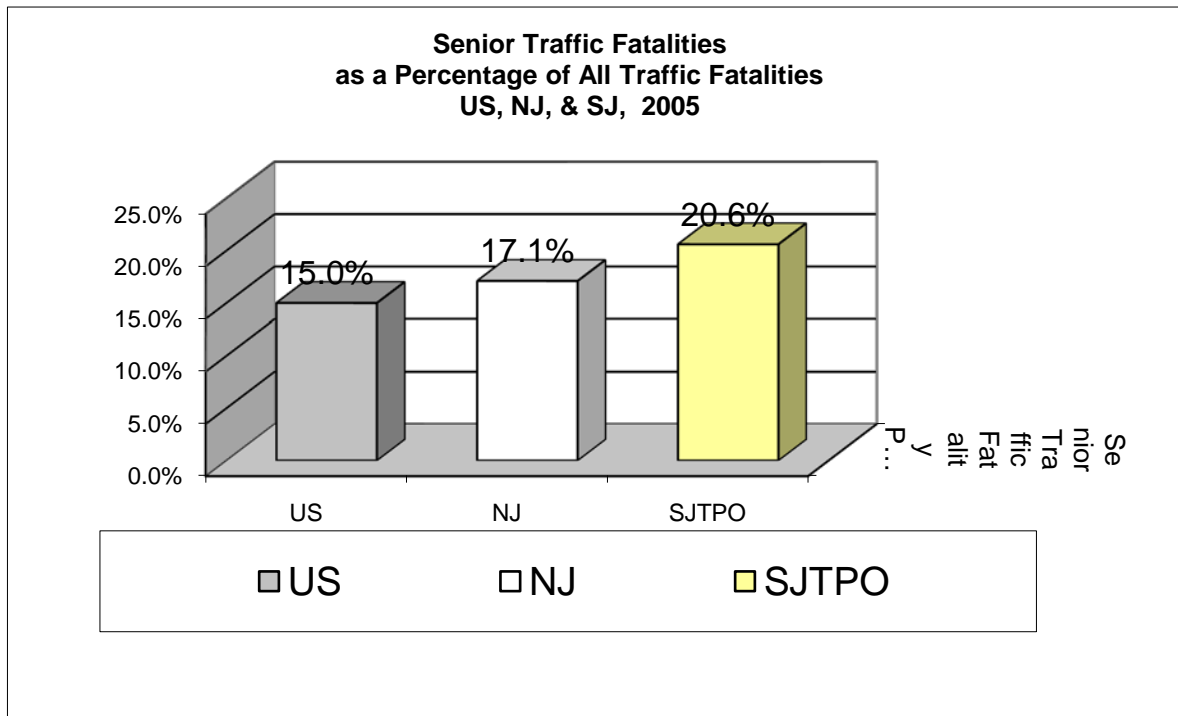
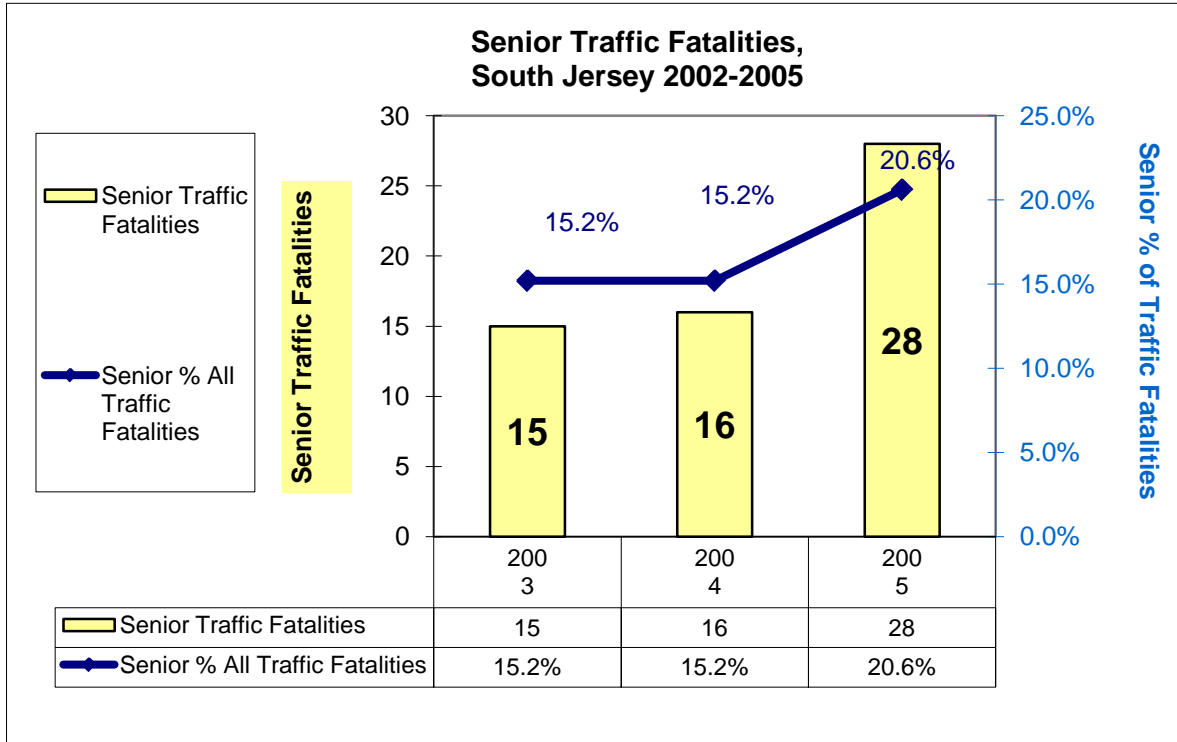
Traffic Injuries

Senior Injuries increased 6.0% from 770 in 2004 to 816 in 2005. Seniors make up 9.6% of the traffic injuries for the region. This is higher than the US and NJ proportion of senior traffic injuries, which are 7.1% and 7.8% respectively.



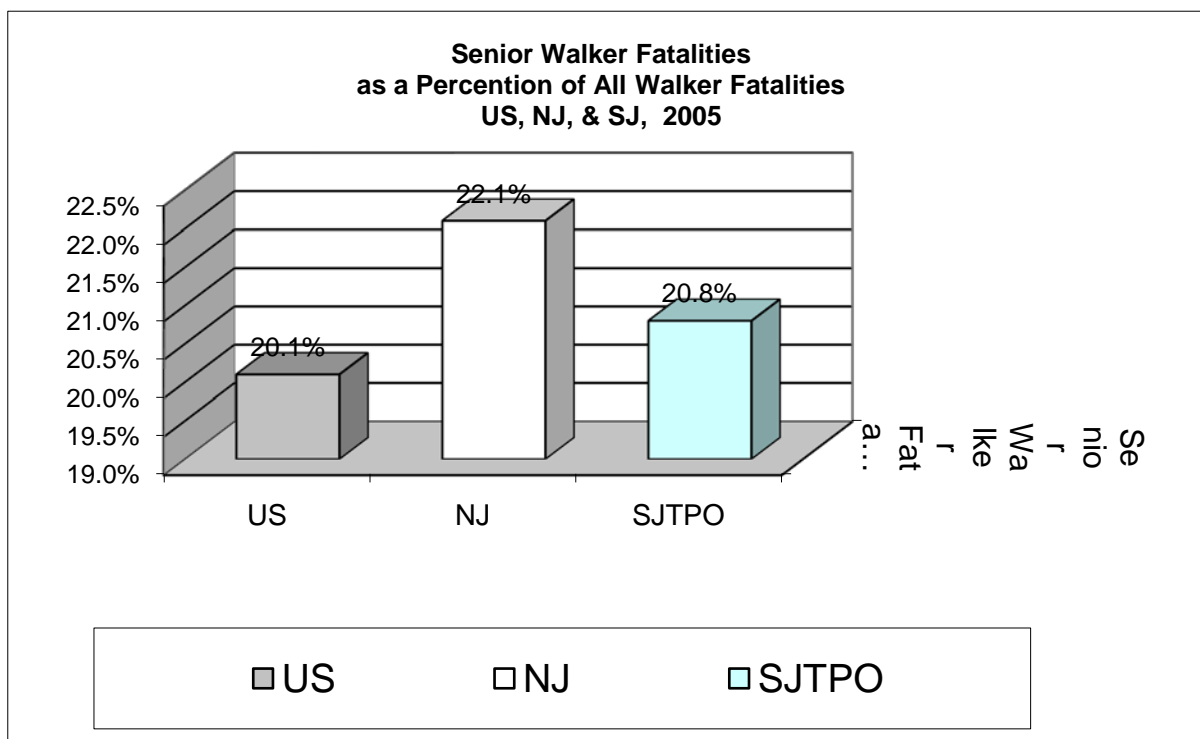
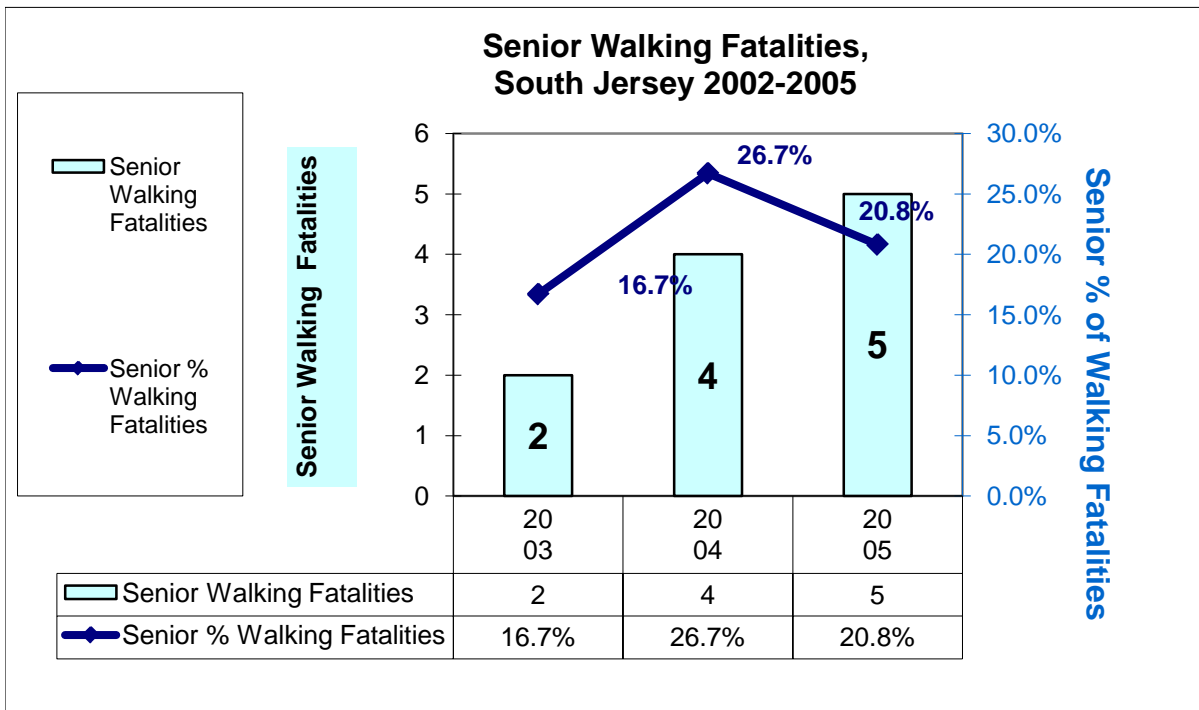
Traffic Fatalities

Senior traffic fatalities saw a 75.0% increase from 16 in 2004 to 28 in 2005. In 2005, 20.6% of the traffic fatalities were seniors. This South Jersey senior traffic fatality proportion compares with 15.0% and 17.1% for the US and NJ respectively.



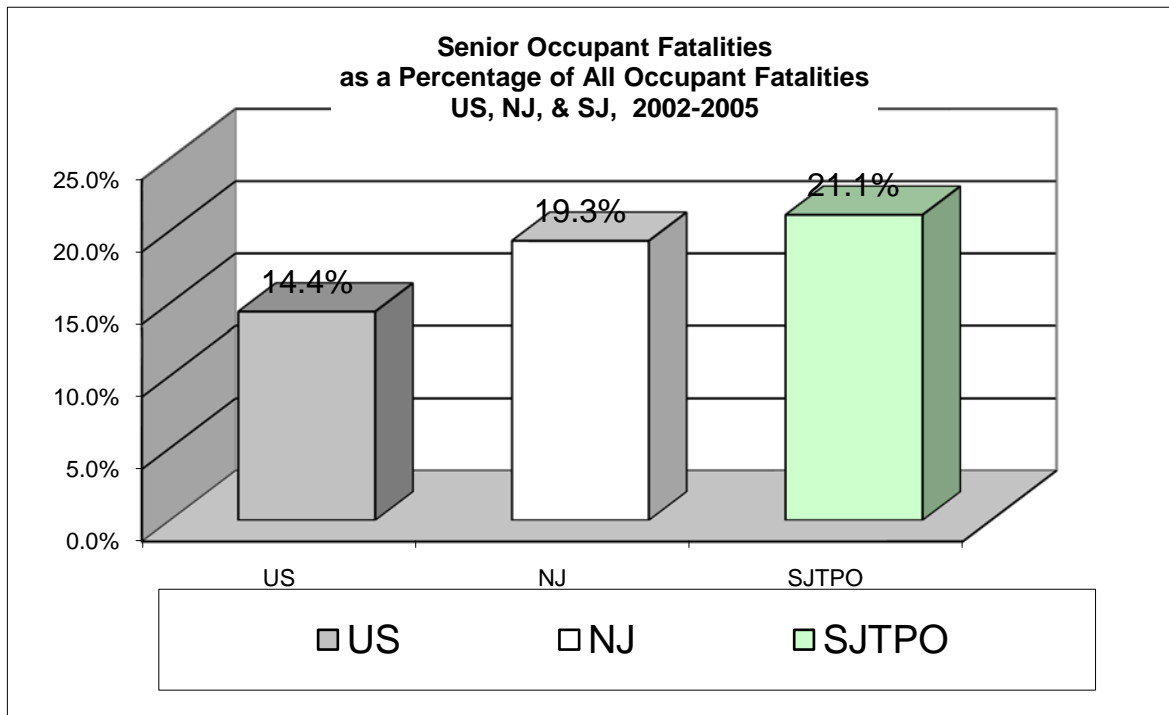
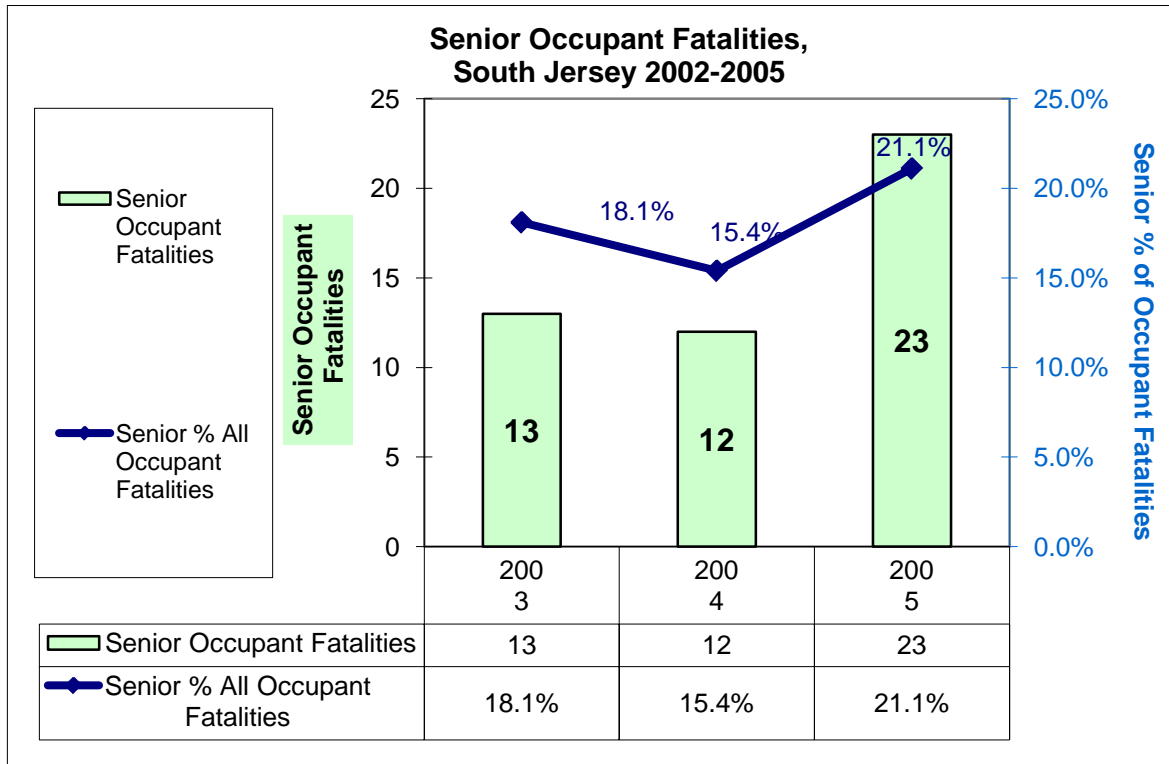
Walking Fatalities

Of the 24 walking non-motorist in South Jersey for 2005, 5 were seniors. This compares with 4 for the year 2004. This 20.8% proportion is consistent with the senior proportion of senior walking fatalities for the US and NJ, which were 20.1% and 22.1% respectively.



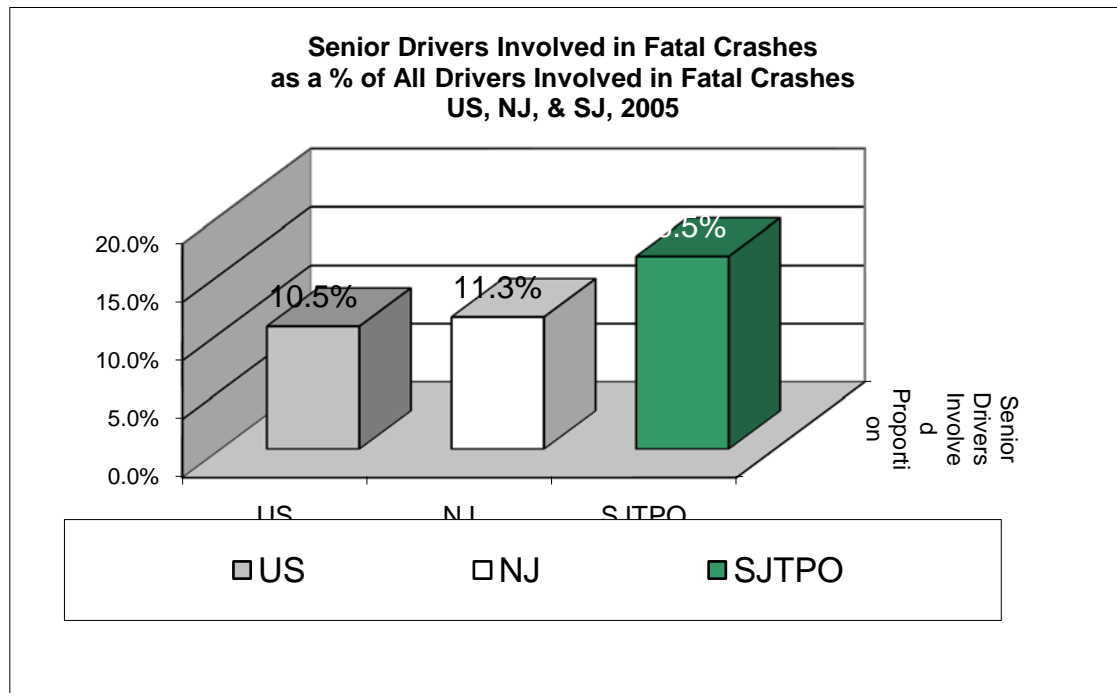
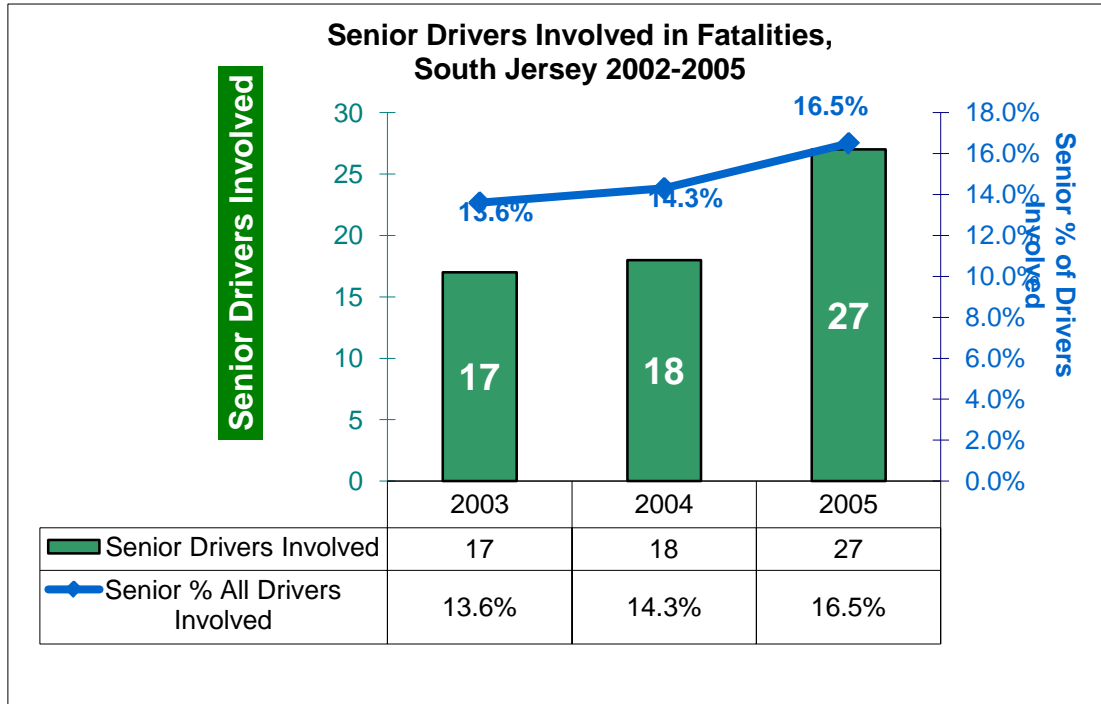
Occupant Fatalities

Occupant Fatalities that were seniors totaled 23 in 2005. This is 91.7% higher than the total for 2004 which was 12. The senior proportion of occupant fatalities is higher for South Jersey, 21.1%, than it is for the US or New Jersey 14.4% an 19.3% respectfully.



**Drivers Involved in Fatal Crashes**

The number of senior drivers involved in a crash also increased in 2005 to 27 from 15 in 2004 an increase of 50.1%. The proportion of senior drivers involved in a fatal crash in the South Jersey region is 16.5%, compared to the US and State proportions which are 10.5 and 11.3 respectively.



### Senior Injuries per Population

There were 1,026 traffic injuries to seniors for every 100 thousand senior residents in South Jersey. This compares to 552 for the US senior population and 781 senior injuries for the New Jersey senior population.

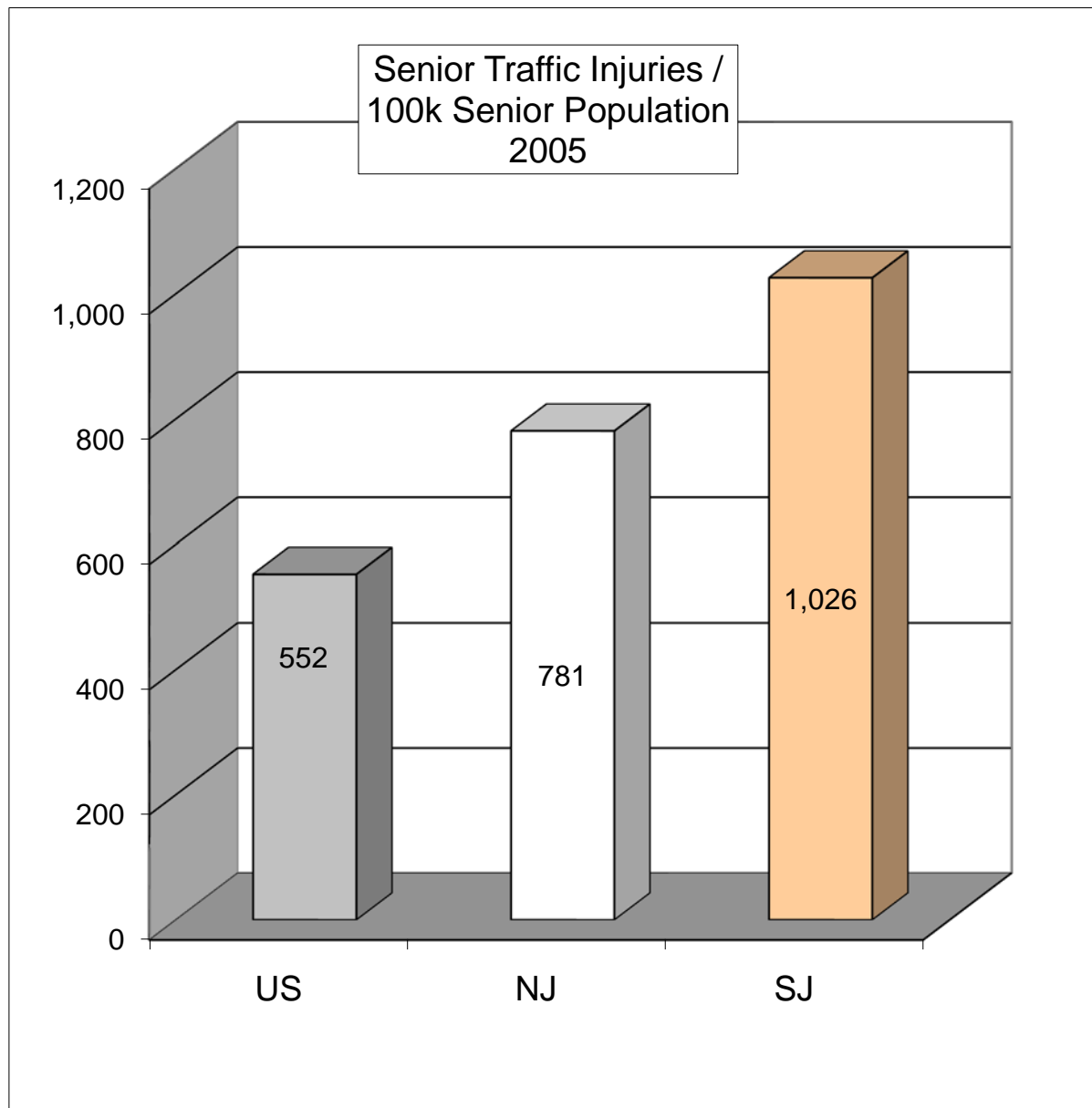


Exhibit 8: Table  
 Senior Traffic Fatalities and Injuries  
 South Jersey 2003-2005

3/3/2010

Table:

A	B	C	D	E	F	G	H	I	J	K
			United States	New Jersey	SJTPO Region		SJTPO			SJTPO % Change 2004-2005
			2005	2005	2005	2003	2004	2005		
4	Age	Driver Fatalities								
5	65+	Senior	3,935	73	18	11	9	18	100.0%	4
6	All	All	27,472	376	75	51	60	75	25.0%	5
7			14.3%	19.4%	24.0%	21.6%	15.0%	24.0%		6
8										7
9		Traffic Injuries	2005	2005	2005	2003	2004	2005		8
10	65+	Seniors	192,000	8,338	816	568	770	816	6.0%	9
11	All	All	2,699,000	107,142	8,530	6,049	8,953	8,530	-4.7%	10
12			7.1%	7.8%	9.6%	9.4%	8.6%	9.6%		11
13										12
14	Age	Traffic Fatalities	2005	2005	2005	2003	2004	2005		13
15	65+	Seniors	6,512	128	28	15	16	28	75.0%	14
16	All	All	43,443	748	136	99	105	136	29.5%	15
17			15.0%	17.1%	20.6%	15.2%	15.2%	20.6%		16
18										17
19	Age	Walker Fatalities	2005	2005	2005	2003	2004	2005		18
20	65+	Seniors	981	34	5	2	4	5	25.0%	19
21	All	All	4,881	154	24	12	15	24	60.0%	20
22			20.1%	22.1%	20.8%	16.7%	26.7%	20.8%		21
23					0					22
24		Occupant Fatalities	2005	2005	2005	2003	2004	2005		23
25	65+	Seniors	5,412	94	23	13	12	23	91.7%	24
26	All	All	37,594	487	109	72	78	109	39.7%	25
27			14.4%	19.3%	21.1%	18.1%	15.4%	21.1%		26
28										27
29	Age	Drivers Involved	2005	2005	2005	2003	2004	2005		28
30	65+	Seniors	6,215	119	27	17	18	27	50.0%	29
31	All	All	59,104	1,056	164	125	126	164	30.2%	30
32			10.5%	11.3%	16.5%	13.6%	14.3%	16.5%		31
33										32
34		Number of Seniors								33
35	US	Number of Seniors	34,760,527							34
36	NJ	Number of Seniors	1,068,010							35
37	SJTPO	Number of Seniors	0							36
										37
A	B	C	D	E	F	G	H	I	J	K

Senior Traffic Fatalities & Injuries  
South Jersey 2002-2005

Chart Info	1			
		<b>2003</b>	<b>2004</b>	<b>2005</b>
Senior Drivers		11	9	18
Senior % All Drivers		21.6%	15.0%	24.0%
Chart Info	2			
		<b>2003</b>	<b>2004</b>	<b>2005</b>
Senior Traffic Injuries		568	770	816
Senior % All Traffic Injuries		9.4%	8.6%	9.6%
Chart Info	3			
		<b>2003</b>	<b>2004</b>	<b>2005</b>
Senior Traffic Fatalities		15	16	28
Senior % All Traffic Fatalities		15.2%	15.2%	20.6%
Chart Info	4			
		<b>2003</b>	<b>2004</b>	<b>2005</b>
Senior Walking Fatalities		2	4	5
Senior % Walking Fatalities		16.7%	26.7%	20.8%
Chart Info	5			
		<b>2003</b>	<b>2004</b>	<b>2005</b>
Senior Occupant Fatalities		13	12	23
Senior % All Occupant Fatalities		18.1%	15.4%	21.1%
Chart Info	6			
		<b>2003</b>	<b>2004</b>	<b>2005</b>
Senior Drivers Involved		17	18	27
Senior % All Drivers Involved		13.6%	14.3%	16.5%
Chart Info	7			
		<b>2003</b>	<b>2004</b>	<b>2005</b>
Senior Traffic Injuries / 100k Senior Population 2005		0.7%	1.0%	1.0%
1a		<b>US</b>	<b>NJ</b>	<b>SJTPO</b>
Senior Drivers		3935	73	18
Senior % All Drivers		14.3%	19.4%	24.0%
2a		<b>US</b>	<b>NJ</b>	<b>SJTPO</b>
Senior Traffic Injuries		192000	8338	816
Senior % All Traffic Injuries		7.1%	7.8%	9.6%
3a		<b>US</b>	<b>NJ</b>	<b>SJTPO</b>
Senior Traffic Fatalities		6512	128	28
Senior % All Traffic Fatalities		15.0%	17.1%	20.6%

Senior Traffic Fatalities & Injuries  
South Jersey 2002-2005

4a	US	NJ	SJTPO
Senior Walking Fatalities	981	34	5
Senior % Walking Fatalities	20.1%	22.1%	20.8%

5a	US	NJ	SJTPO
Senior Occupant Fatalities	5412	94	23
Senior % All Occupant Fatalities	14.4%	19.3%	21.1%

6a	US	NJ	SJ
Senior Drivers Involved	6215	119	27
Senior % All Drivers Involved	10.5%	11.3%	16.5%

7a	US	NJ	SJ
Senior Traffic Injuries / 100k Senior Population 2005	552	781	1,026

	US	NJ	SJ
Traffic Injuries / 100k Senior Traffic Injuries Seniors	552	781	1,026
Senior Population	192,000	8,338	816
	34,760,527	1,068,010	79,567